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(54) METHOD FOR DETECTING ANTIGEN PROTEIN

(57)Abstract:

PROBLEM TO BE SOLVED: To make detectable an antigen protein that cannot be detected easily by the ELISA method by boiling a specimen in the presence of dodecylsodiumsulfate (SDS) in advance and then diluting it in buffer liquid.

SOLUTION: A specimen such as plasma is boiled approximately for five minutes in a constant temperature bath or the like where general buffer liquid such as phosphoric acid buffer liquid containing SDS in advance is poured. The SDS concentration in the buffer liquid is normally and preferably set to a range of approximately 0.1 to 10 wt.%, and the amount of SDS for the specimen is preferably diluted to approximately 5-100 times in the buffer liquid containing SDS, and is more preferably diluted to the range of approximately 10-20 times. Then, the specimen treatment liquid is subjected to SDS boiling treatment is further diluted in appropriate buffer liquid for dilution. The buffer liquid used in this case may be the same as that being used in boiling, and the buffer liquid can normally contain albumin or carrier protein. For the specimen that has been diluted by the buffer liquid, antigen protein is detected and determined by the ELISA method.

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